

Attorney Docket No.: 4394.214-US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Svendsen et al.

Serial No.: 09/325,603

Group Art Unit: 1652

Filed: June 3, 1999

Examiner: E. Slobodyansky

For: α -Amylase Mutants

AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Office Action mailed March 17, 2000, kindly amend the above-identified application as set forth below.

IN THE CLAIMS:

Cancel claims 72-75 without prejudice or disclaimer. Amend claim 71 under the provisions of 37 C.F.R. §1.121(a)(2)(ii) as follows:

71. (Twice amended) A method of producing a variant of a parent alpha-amylase having an altered property relative to the parent, wherein the parent alpha-amylase has the sequence of SEQ ID Nos: 2, 4, 6, or 13, or has a sequence at least 70% homologous to the sequence of SEQ ID Nos: 2, 4, 6, or 13 when homology is determined by the GAP program (Genetic Computer Group, Version 7.0) using default values for GAP penalties, said method comprising

(a) [modelling the parent alpha-amylase on an X-ray crystallographic three-dimensional structure of an alpha-amylase having the sequence of SEQ ID Nos: 2, 4, 6, or 13, or having a sequence at least 80% homologous to the sequence of SEQ ID Nos: 2, 4, 6, or 13 when homology is determined by the GAP program using default values for GAP penalties, to produce a modelled three-dimensional structure of

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FROM : Gina Maldonado

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Dkt. 4394, 214-US

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In re Application of: Svendsen et al.

Serial No.: 09/325,603

Group Art Unit: 1652

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Examiner: E. Slobodyansky

For: α -Amylase VariantsFILING OF CONTINUED PROSECUTION
APPLICATION (CPA) UNDER 37 C.F.R. §1.53(d)Assistant Commissioner for Patents
Box CPA
Washington, DC 20231

This is a request for filing a continuation divisional [choose one] application under 37 CFR 1.53(d) of prior application number 09/325,603 filed on June 3, 1999, entitled α -Amylase Variants.

1. ☒ An Amendment is enclosed.2. ☒ The filing fee is calculated as follows:

Basic Fee:	\$690.00
Total Claims: $4 - 20 = 0 \times 18 =$	\$ 0
Independent Claims: $4 - 3 = 1 \times 78 =$	\$ 78.00
Total Fee:	\$768.00

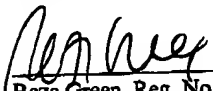
3. ☐ Applicant hereby petitions for an extension of time under 37 CFR 1.136 for 1 month. If an additional extension of time is required, please consider this a petition therefor. The required extension fee is estimated to be \$110.4. ☒ Please charge the required fee, estimated to be \$878, to Novo Nordisk of North America, Inc., Deposit Account No. 14-1447. A duplicate of this

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sheet is enclosed.

Respectfully submitted,

Date: July 17, 2000


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